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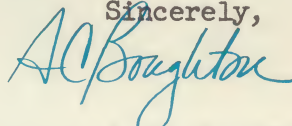
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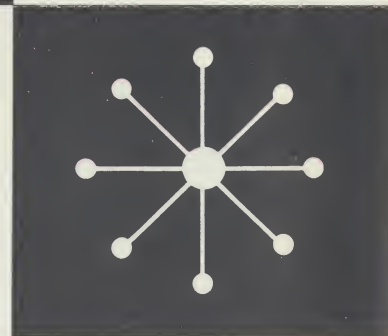
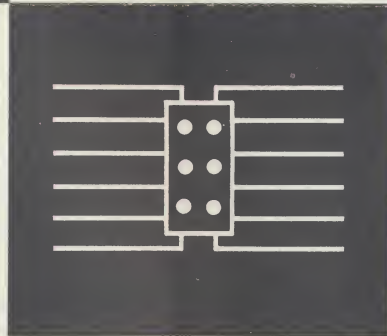
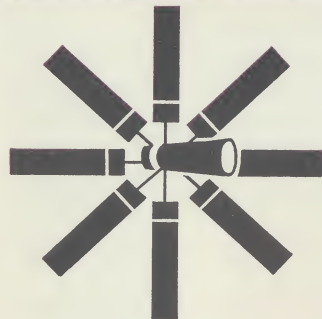
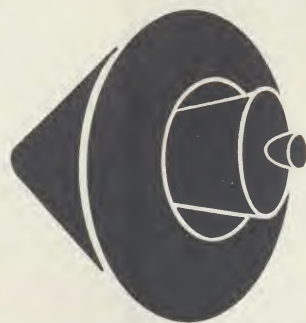
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LUNAR SYSTEMS

Cryogenic Fuels Keyed to Water Cycle

by William S. Bell

Consistent Water on the Moon may be essential to lunar systems development and the proper gas atmosphere for lunar habitats.

But one increasingly serious question is whether the water is plentiful enough to be used for the water cycle without the need for costly, long cryogenic propellant from Earth, during the high lift stages and maintaining the atmosphere.

On the Moon, the water and hydrogen are the most abundant elements.

Dr. General Electric Co. and Air Force Research and Development Command, the two agencies, are presently studying a lunar production system based on the extraction of water and oxygen from the lunar surface.

Although it is not a new concept, the contractors claim that their lunar "hydrogen economy" will be the most efficient and "in the long run" the most economical.

space quality?

However, an abundance of water is not enough to make the General Electric Co. and Air Force Research and Development Command, the two agencies, are presently studying a lunar production system based on the extraction of water and oxygen from the lunar surface.

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Extensive advantage—Robert W. Bell, U.S. Army, says that the General Electric Co. and Air Force Research and Development Command, the two agencies, are presently studying a lunar production system based on the extraction of water and oxygen from the lunar surface.

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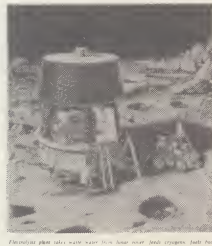


Illustration of lunar production system based on the extraction of water and oxygen from the lunar surface.

LUNAR SYSTEMS

PROPULSION ENGINEERING



Mach 4 AF Target To Use UTC Hybrid

General Electric Co. is developing a Mach 4 AF target to use UTC hybrid propulsion system. The target is designed to be used for testing of air defense systems and is expected to be in service by 1975.



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SPACE ELECTRONICS

AN/FQ-10 Radar in Final Checkout at PMR

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